Philips Pronto
Serial Extender

Pronto

RFX9600

Designed by installers, made by Philips

The advanced serial extender RFX9600 comes in a standard 19-inch rack- mountable enclosure. In addition to 4 individually addressable IR ports, 4 RS232 ports and 4 relay outputs, it also features 'power sensing'.

True multiroom control

- Wired networked control via standard CAT5 cable
- Advanced connectivity: addressable IR ports
- Advanced connectivity: RS232 serial interface
- Advanced connectivity: contact closures
- Advanced connectivity: input sensors

Reliable operation

- Unique Pronto protocol guarantees best-in-class control
- Smart feedback provides immediate system information
- Emits IR codes up to 1MHz

Quick and easy set-up

- Standard 19" rack-mountable housing
- DHCP & fixed IP supported for flexible network configuration
- Smart feedback indicators for easy troubleshooting

PHILIPS

sense and simplicity

Specifications

Connectivity
- Power: 5 VDC input
- IR emitter connectors: 4
- Ethernet
- Network mode: DHCP, Fixed IP
- Power sense inputs (4-30 V): 4
- Relays outputs (max 48 V/2A): 4

Convenience
- Housing: 19" rack mountable (black)
- Status indication: 19 LEDs

Accessories
- AC/DC Adaptor: 5 VDC / 2A
- Dual IR emitter wires: 2
- Mini-jack IR cable: 2
- Configuration cable
- Rack mounting kit
- Printed User Guide: English, French, Spanish, German, Russian, Dutch
- Warranty Card

Dimensions
- Product dimension (WxDxH) inch: 19.0 x 9.4 x 1.8
- Product weight (lb): 3.86
- Temperature range (operation): 0 to 50 degrees

Customization
- Configuration via webserver

System Specifications
- CPU: Freescale 32 bit RISC
- CPU speed: 266 MHz

Infrared Capabilities
- Addressable IR output: Adjustable IR output level
- Adjustable IR output level

Product highlights

Adressable IR ports
Addressable IR ports enable control of the same type of devices in a rack independently (by the same extender). Typically this is the case with multiple set-top boxes to distribute content throughout the house. Every device is asigned its own dedicated IR port. As a result the device will only receive the IR codes that are intended for this device and not for any other. Without addressable IR codes, every device will always receive all sent-out IR codes.

Control via RS232 interfaces
RS232 (also known as serial communication) is a more secure control mechanism than traditional IR control. The 4 serial ports on the extender allow the control panel to control up to 4 different devices with a serial interface such as advanced A/V Receivers, projectors or DVD players, or lighting control systems.

Contact closures
Contact closures are used typically to operate motorized equipment such as projector screens, plasma lifts. curtains, ... that do not have any other control interface. The extender has 4 contact closures that the control panel can instruct to open or close. As a result, 4 motorized devices can be controlled separately.

Power sensing
Input sensors detect if equipment is powered on. Optional power, video or audio sensors will provide the necessary voltage input to determine if the equipment is on or off. These sensors need to be wired to the input sensor. The status of the input sensor can be used in conditional macros to ensure that the equipment is powered on or off when needed.

Pronto protocol
The Pronto system uses standard WiFi for wireless control but has added an additional smart protocol to guarantee a reliable and timely execution of IR codes and macros.

Smart feedback
The smart 2-way Pronto protocol regulates the commands that are sent from the Pronto control panel to the extenders. Each extender will acknowledge the execution and the user will be informed in case a command cannot be executed.

IR code range
The powerful IR-circuit is capable of transmitting virtually any IR code. Where many remote control systems are limited to 125 kHz, the Pronto extenders can send IR-frequencies to up to 1 MHz.

Network configuration options
Both DHCP and fixed IP configuration are supported. DHCP requires less effort to configure while fixed IP offers the most stable network.

Feedback indicators
Colored LED's provide information about the system, such as ethernet or WiFi connections, busy status or execution of an IR, RS232 or relays command (RFX9600 only). Errors are also displayed, helping the user to do troubleshooting if necessary.

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